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RAW SEQUENCE LISTING

DATE: 02/26/2002 TIME: 14:04:01

PATENT APPLICATION: US/09/840,243B

Input Set : A:\010830-117.ST25.txt

Output Set: N:\CRF3\02262002\I840243B.raw

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	22					_					_				_		
	cttttccttg agagacgagt tgggggggtc ctccacgcat tacccactcg ggccgcaaaa																
	actcccttct ttagccctct gcccccgccc ttgcttataa gcctttgaga ccgcagaagg gaccttgttg tggaacggga cggccaagag gaagccagat cgctgagggt ccggtctcca																
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															cag		465
							_	_	-			_		_	Gln		103
160	1				5					10		0			15		
162	cct	qcc	tca	gaa	ctt	qqq	qac	cct	qaa	qac	ccc	qqa	qaq	qaq	gct	qca	513
															Ala	_	
164				20		_	_		25	-		-		30			
166	gat	ggc	tca	gac	act	gtg	gtc	ctc	agt	ctc	ttt	ccc	tgc	acc	cct	gag	561
167	Asp	Gly	Ser	Asp	Thr	Val	Val	Leu	Ser	Leu	Phe	Pro	Cys	Thr	Pro	Glu	•
168			35					40					45				
170														_	gca		609
171	Pro		Asn	Pro	Glu	Pro	Asp	Ala	Ser	Val	Ser	Ser	Pro	Gln	Ala	Gly	
172		50					55					60					
	_		-	_										_	ggg		657
		Ser	Leu	Lys	His		Thr	Thr	Leu	Thr		Arg	Gln	Arg	Gly		
176	65					70					75					80	
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	GIU	val	Ser	Ala		Pro	Ата	Thr	Leu	_	Ser	Leu	Ser	Ile	His	GIn	
180	a+ a	~ ~ ~	~ ~ ~	~~~	85	~~~	_+_			90				+ +	95		750
			_	_			_	_	_	_	_			_	cgg		753
184	ьец	Ald	Ald	100	СТУ	GIU	ьeu	Asp	105	ьeu	ьуѕ	GLU	HIS	ьеи 110	Arg	гÀг	
	aat	gac	aac		ata	220	aan	CCa		aaa	cac	aaa	+ + <i>a</i>		ccc	ctc	801
					_		_		_		_				Pro		001
188	011		115	LCu	, 41	11011	1 110	120	110p	Olu	1119	O _T	125	1111	110	ЦСС	
	atc	taa		tcc	qcc	ttt	ααa		att	σασ	acc	att		ttc	ctg	cta	849
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192		130					135					140					
194	gag	tgg	ggt	gcc	gac	ccc	cac	atc	ctg	gca	aaa	gag	cga	gag	agc	gcc	897
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196	145					150					155					160	
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199	Leu	Ser	Leu	Ala	Ser	Thr	Gly	Gly	Tyr	Thr	Asp	Ile	Val	Gly	Leu	Leu	
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	Leu	Glu	Arg		Val	Asp	Ile	Asn		Tyr	Asp	Trp	Asn	Gly	Gly	Thr	
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															gag		1041
	Pro	ьeu		туг	Ala	val	Arg		Asn	His	Val	Lys	_	Val	Glu	Ala	
208	++~	a+	195	<i>~~</i>	~~~	~~ - -		200					205	. •		.	1000
ZIU	ılg	clg	ycc	cga	ggc	yct	gac	CTC	acc	acc	gaa	gcc	gac	tct	ggc	tac	1089

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212		210			~++		215					220					
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215	225	PIC) Met	. Asp	ь Leu			Ala	. Leu	. Gly			Lys	Val	. Gln	Gln	
					~~~	230					235					240	
210	9 L 9	TIO	gag	aac	cac	atc	CTC	aag	cto	ttc	cag	ago	aac	ctg	gtg	ccc	1185
220	val	тте	GIU	Asn			Leu	Lys	Leu			Ser	Asn	Leu	. Val	Pro	
		~-~			245			,		250					255		
222	901	gac	CCT	gag	τga	agg	ccgc	ctg	ccgg	ggac	tc a	gaca	ctca	g gg	aaca	aaat	1240
223		Asp	Pro	Glu													
		~~~	<b>a</b> a.	260													
220	991	cayo	cay	aget	9999	aa a	ccca	gaac	t ga	cttc	aaag	gca	gctt	ctg	gaca	ggtggt	1300
220	yyy √21	ayyy n> c	yac Eo T	cctt	ccca	ag a	ggaa	ccaa	t aa	acct	tctg	tgc	ag				1345
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238	1	Olu	בוכע	1111	5	FIO	Ala	GIU	ASP	10		GIN	Thr	GIn		Thr	
		Ala	Ser	Glu	_	Cl v	λen	Dro	C111			C1**	~1	~1	15 Ala	27.	
241			001	20	пси	GLY	rsp	rio	25	Asp	PIO	GTA	GIU			Ala	
	Asp	Glv	Ser		Thr	Val	Val	T.011		T 011	Dho	Dwo	Orra	30	Pro	61	
244			35		- 111 -	Val	Val	40	261	ьеu	PHE	PIO		THE	Pro	GIU	
		Val			Glu	Pro	Asn		Ser	V=1	Sar	Sor	45 Pro	C1 5	Ala	C1	
247		50			oru	110	55	nia	561	Val	261	60		GTII	Ald	GTÀ	
	Ser			Lvs	His	Ser		Thr	Leu	Thr	Δsn			λνα	Gly	λαn	
250	65			-4.		70			u		75	11. 9	OIII	AI 9	Gry	80	
252	Glu	Val	Ser	Ala	Leu	Pro	Ala	Thr	Leu	Asp		T.e.u	Ser	Tle	His		
253					85				Lou	90	001	шец	DCI	110	95	GIII	
255	Leu	Ala	Ala	Gln	Gly	Glu	Leu	Asp	Gln		Lvs	Glu	His	Len	Arg	Lvs	
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258	Gly	Asp	Asn	Leu	Val	Asn	Lys	Pro	Asp	Glu	Arq	Gly	Phe		Pro	Leu	
259			115				_	120	-			_	125				
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262		130					135					140	,				
264	Glu	Trp	Gly	Ala	Asp	Pro	His	Ile	Leu	Ala	Lys	Glu	Arq	Glu	Ser	Ala	
265	145					150					155					160	
267	Leu	Ser	Leu	Ala	Ser	Thr	Gly	Gly	Tyr	Thr	Asp	Ile	Val	Gly	Leu	Leu	
268					165					170	_			-	175		
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271				180					185					190	_		
273	Pro	Leu	Leu	Tyr	Ala	Val	Arg	Gly	Asn	His	Val	Lys	Cys	Val	Glu	Ala	
274			195					200					205				
276	Leu	Leu	Ala	Arg	Gly	Ala	Asp	Leu	Thr	Thr	Glu	Ala	Asp	Ser	Gly	Tyr	
277		210					215					220					
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285 Ala Asp Pro Glu
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296 <211> LENGTH: 260
297 <212> TYPE: PRT
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                                       25
307 Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu
308
              35
                                   40
                                                       45
310 Pro Val Asn Pro Glu Pro Asp Ala Ser Val Ser Ser Pro Gln Ala Gly
311
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                              55
313 Ser Ser Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn
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                                               75
316 Glu Val Ser Ala Leu Pro Ala Thr Leu Asp Ser Leu Ser Ile His Gln
317
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                                           90
319 Leu Ala Ala Gln Gly Glu Leu Asp Gln Leu Lys Glu His Leu Arg Lys
320
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                                                          110
322 Gly Asp Asn Leu Val Asn Lys Pro Asp Glu Arg Gly Phe Thr Pro Leu
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                                 120
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325 Ile Trp Ala Ser Ala Phe Gly Glu Ile Glu Thr Val Arg Phe Leu Leu
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328 Glu Trp Gly Ala Asp Pro His Ile Leu Ala Lys Glu Arg Glu Ser Ala
329 145
                         150
                                              155
331 Leu Ser Leu Ala Ser Thr Gly Gly Tyr Thr Asp Ile Val Gly Leu Leu
332
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                                          170
334 Leu Glu Arg Asp Val Asp Ile Asn Ile Tyr Asp Trp Asn Gly Gly Thr
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337 Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala
338
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340 Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr
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343 Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln
344 225
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/840,243B

DATE: 02/26/2002 TIME: 14:04:02

Input Set : A:\010830-117.ST25.txt

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